

DoD Space Planning Criteria for Health Facilities **Orthopedics/Podiatry/Chiropractic/Sports Medicine**

3.12.1. PURPOSE AND SCOPE:

This section provides guidance for the space planning criteria for outpatient orthopedic and podiatry, physical medicine and rehabilitation, and chiropractic and sports medicine activities in DoD medical facilities.

3.12.2. DEFINITIONS:

Chiropractic Services: Chiropractic services provide diagnosis, evaluation and treatment for disorders of the nervous system. This is accomplished by a system of therapeutics that attributes disease to dysfunction of the nervous system. The goal is to restore normal function by manipulation and treatment of the body structures, especially those of the vertebral column.

Full-Time Equivalent (FTE): A work force equivalent to one individual working full time for a specific period, which may be made up of several part-time individuals or one full-time individual. This will include everyone working in the facility; military, civilian and contractor personnel.

Office: Room Code OFA01 is a private office outfitted with standard office furniture. Room Code OFA02 is a private office outfitted with systems furniture. Room Code OFA03 is a cubicle outfitted with systems furniture.

Orthopedic Services: Orthopedic services provide preventive care, evaluation, diagnosis, treatment and consultation for the correction or prevention of skeletal deformities.

Patient Learning Resource Room: A patient learning resource room provides patients with publications and access to computers connected to the Internet to research diseases and health information.

Podiatry Services: Podiatry service is to provide preventive care and treatment to the human foot in health, injury or disease.

Physical Medicine and Rehabilitation Specialist: A physician, trained in a medical or osteopathic school, in an approved Physical Medicine and Rehabilitation residency. Services are both diagnostic and therapeutic, and range from pediatric to geriatric in age. PM&R specialists are also trained in the use of Electrodiagnostic Testing methods (Nerve Conduction Studies) for precise diagnosis of nerve and muscle disorders, acquired or inherited. In addition to routine musculoskeletal aches and pains, diagnosis and management recommendations are also made for those with amputation of limbs, traumatic brain injury, spinal cord injury, multiple sclerosis and many other degenerative nervous disorders.

Preceptor/consult rooms: - A location is required for residents in training to be able to discuss cases in private with supervising faculty physicians (preceptors.). These discussions occur during the course of a patient visit, requiring proximity to exam room areas. In clinic configurations with staff physician offices clustered near exam rooms, precepting may be feasible from the faculty physician's own office and not from a dedicated central preceptor room. Note that any space provided for precepting must afford privacy from eavesdropping patients and passers-by ... hence an open area accessible by non-staff is NOT acceptable.

Provider: A "provider" in an orthopedic/podiatry clinic is an orthopedic surgeon, physician, nurse practitioner, chiropractor, occupational/physical therapist, or a podiatrist. The term 'staff providers' does not include residents.

Rotating Resident: A rotating resident is one from any graduate medical education specialty program (internal medicine, pediatrics, surgery, family practice, etc.) who, in the course of his or her education, must spend time in the services of another specialty. For example internal medicine residents are required to "do a rotation" in the OB/GYN service.

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Sports Medicine Services: an orthopedic surgeon typically provides Sports Medicine services with a focus on prevention, treatment and rehabilitation of sports related injuries.

3.12.3. POLICIES:

Clinic Composition: If one or two providers are projected, this clinic should be combined with the general surgery clinic.

Monitored Examination Rooms:

Providers' Examination Rooms: Each provider will be provided with two examination rooms

Providers' Offices: Each physician, nurse practitioner, chiropractor, occupational/physical therapist, and podiatrist on the staff, who has patient appointments, will be provided a private office.

Residents' Office Space: Private office space will not be programmed for graduate medical education residents. Residents', who are in a graduate medical education program studying to become a specialist in the service being programmed, will be provided with shared office space of 60 nsf per resident in the program. An office for a rotating resident may be programmed in the clinic for residents who see patients.

Resident's Office/Examination Rooms: Additional office and examination room space may be programmed into a clinic to provide space for "rotating residents" to see patients. A resident during his or her rotation in the clinic will use this space when they see patients as walk-ins or on appointment. One office and two examination rooms may be programmed for each resident FTE projected to be in the clinic seeing patients. Note: These residents are not necessarily orthopedic residents only, family practice, internist and others residency programs may require a rotation in the orthopedic clinic.

3.12.4.

ORTHOPEDICS/PODIATRY/CHIROPRACTIC/SPORTS MEDICINE **PROGRAM DATA REQUIRED**

ORTHOPEDIC SERVICES/PODIATRY SERVICES (Y/N)

1. Number of projected full-time equivalent (FTE) Orthopedic providers.
2. Number of projected FTE Podiatry providers.
3. Number of dedicated mobile x-ray units.
4. Number of dedicated radiology technicians.
5. Will standard or systems furniture be used?
6. Number of staff requiring private offices – excluding providers, nurse managers and NCOIC/LCPO/LPO.
7. Number of projected staff requiring dedicated cubicles.
8. Number of projected FTE Nurse Managers.
9. Number of projected FTE Nurses –not including nurse managers. (Air Force account for number of nurses using Question #7).
10. Number of projected FTE officer/officer equivalent for this departmental sub-element.
11. Total number of projected FTEs for this department sub-element including Residency Program. This is for the correct sizing of staff toilets.
12. Total number of staff for this departmental sub-element without a private office or dedicated cubicle (requiring a locker). This is for correct sizing of staff lockers.
13. Number of projected orthotics technicians.
14. Will orthotics lab have a welding area? (Y/N)
- 15a. Total number of projected FTE providers for this departmental sub-element. (Add Question #1 and #2 data.)

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PHYSICAL MEDICINE AND REHABILITATION SERVICES (Y/N)

16. Number of projected FTE Physical Medicine providers.

3.12.4. ORTHOPEDICS/PODIATRY/CHIROPRACTIC/SPORTS MEDICINE (Continued)
PROGRAM DATA REQUIRED

16a. Total number of projected FTE providers for this departmental sub-element.

16b. Total number of staff for this departmental sub-element without a private office or dedicated cubicle (requiring a locker). This is for correct sizing of staff lockers.

CHIROPRACTIC SERVICES (Y/N)

17. Number of projected FTE Chiropractors.

18. Is Massage Therapy provided? (Y/N)

19.

20. Total number of projected FTEs for this departmental sub-element. This is for correct sizing of the staff showers and staff toilets.

21. Total number of staff for this departmental sub-element without a private office or dedicated cubicle (requiring a locker). This is for correct sizing of the staff lockers.

SPORTS MEDICINE (Y/N)

22. Number of projected FTE Sports Medicine providers.

23. Total number of projected FTEs for this departmental sub-element. This is for correct sizing of the staff showers and staff toilets.

24. Total number of staff for this departmental sub-element without a private office or dedicated cubicle (requiring a locker). This is for the correct sizing of the staff lockers.

RESIDENCY PROGRAM (Y/N)

25. Number of projected FTE secretaries.

26. Number of projected FTE Orthopedic Surgery Residency Program Coordinators.

27.

28. Number of projected residents.

GENERAL – This section determines the size of staff lounges and public toilets.

29. Total number of department FTE providers (Total of questions 1, 2, 16, 17, 18 and 23).

30. Total number of staff to include residents (Total of questions 11, 16a, 20 and 23).

31. Total number of staff requiring lockers (Total of questions 12, 16b, 21 and 24).

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FUNCTION	ROOM CODES	AUTHORIZED		PLANNING RANGE/COMMENTS
		m ²	nsf	

3.12.5. SPACE CRITERIA:

Orthopedic and Podiatry Services:

RECEPTION AREAS

Clinic Waiting	WRC01	5.57	60	Minimum. Provide three seats per each projected FTE provider for Orthopedic, Podiatry, Physical Medicine and Rehabilitation, Chiropractic, and Sports Medicine. <u>Provide 16 nsf for 33% of the seats and 25 nsf for 67% of the seats (handicapped waiting).</u>
Reception (GP)	RECP1	13.01	140	Minimum, <u>140 nsf</u> for the first eight <u>providers</u> . Increase 60 nsf for each increment of four providers over the initial eight providers.
Patient Education Cubicle	CLSC2	2.72	30	Include if in clinic concept of operations. Includes a computer workstation for patient self-assessment, printing educational brochures, etc.
Public Toilets	NA	NA	NA	Space will be provided in the Common Areas - see Section 6.1.

PATIENT AREAS

Provider Exam Rooms (GP)	EXRG1	11.15	120	Army. Two per projected FTE provider. (Also note resident examination rooms.).
	EXRG2			Navy. (See above planning range comments.).
	EXRG3			Air Force. (See above planning range comments.).
Podiatry Exam Room	EXP01	11.15	120	Two per projected FTE podiatrist.
Cast Room (GP)	OPCR1	16.72	180	Minimum. One per clinic. Allows for 110 nsf inside cubicle and 70 nsf outside cubicle curtain. If less than four providers, this also serves as the "Treatment Room". See Cast Room Chart at end of Section
	OPCR2	33.44	360	For more than two providers. Cast room with two stations see chart for increase sizes at end of section.
Portable X-ray Unit	XRM01	3.72	40	One per mobile X-ray unit dedicated to the orthopedic clinic.
Radiology/Flouro Exposure Room (GP)	XDRF1	27.87	300	One per orthopedic clinic when dedicated radiology technician assigned. Shared with Chiropractic Services, if required.

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PATIENT AREAS (cont)

Plaster Storage	OPCR1	5.57	60	One per cast room.
Patient Toilet (GP)	TLTU1	4.65	50	One if number of projected FTE providers is between three and eight. Provide two toilets if number of projected FTE providers is between nine and fifteen. Provide three toilets if number of projected FTE providers is sixteen or more with a maximum of three toilets.

STAFF AND ADMINISTRATIVE AREA

Provider Office (GP)	OFD01	11.15	120	Army - One per projected FTE staff provider.
	OFD03			Navy - One per projected FTE staff provider.
	OFA03			Air Force - One per projected FTE staff provider
Nurse Manager Office	OFA01	11.15	120	Private office, Standard Furniture. One per projected FTE nurse manager.
	OFA02			Private office, Systems Furniture. One per projected FTE nurse manager.
Nurse Workroom	WRCH1	11.15	120	Army/Navy. Minimum. Add 40 nsf for each projected FTE nurse above four.
	OFA03			Air Force. Cubicle Systems Furniture. One per projected FTE Nurse.
NCOIC/LCPO/LPO/SMT Office	OFA01	11.15	120	One per clinic Orthopedic/Podiatry clinic.
	OFA02	11.15	120	
Administrative Personnel with Private Office	OFA01	11.15	120	One per projected FTE requiring a private office. See Section 2.1. Some examples are Group Practice Manager, Nurse Educator, Health Care Integrator, any staff who interviews or counsels patients.
	OFA02			
Administrative Cubicle	OFA03	5.57	60	Per projected FTE requiring a dedicated workspace but not a private office. See Section System Furniture Cubicle per projected FTE. Refer to Chapter 2.1.
Copy Room	RPR01	9.29	100	For Copier/Fax/Mailbox distribution.

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STAFF AND ADMINISTRATIVE AREA (cont)

Conference Room (GP)	CRA01	23.23	250	Minimum use CRA01. One per department with then than eight officers or officer equivalents. For increase in size (CRA02 and CRA03) see Section 6.1.
	CRA02	27.87	300	
	CRA03	37.16	400	
Staff Lounge (GP)	SL001	13.01	140	Minimum. See Section 6.1 for increase in size.
Personal Property Lockers (GP)	LR001	1.86	20	For staff without a dedicated office/cubicle space. See Section 6.1 for increase in size or for Locker Room, Changing criteria.
Staff Toilets	TLTU1	4.65	50	Minimum for total clinic staff of at least ten. See Section 6.1 for increase in size and for male/female breakdown.

CLINIC SUPPORT AREAS

Orthotics Laboratory				Based on assigned orthotics technician(s).
Brace Shop, Lamination/ Molding	APLA1	18.58	200	One per orthotics lab, for pouring and modifying plaster molds.
Brace Shop, Sewing Room/Shoe Room	APSH1	11.15	120	One per orthotics lab.
Brace Shop, Machine Room	APMS1	27.87	300	One per orthotics lab. This room houses: sanders, cutting machines, an oven and vacuum-forming machine for thermoplastic.
Brace Shop, Fitting Room	APFR1	5.57	60	Minimum each booth is 60 nsf each.
Brace Shop, Adjustment & Modification Area	APAM1	13.01	140	Minimum. Based on assigned orthopedic shop technician, add 200 nsf for each additional projected technician. Maximum 540 nsf.
Brace Shop	APFB1	11.15	120	One per orthotics lab.
Brace shop, Welding Area	APWA1	7.43	80	If included in clinic concept of operations.
Clean Utility (GP)	UCCL1	11.15	120	For up to 6 projected FTE providers.
		13.94	150	For 7-12 projected FTE providers.
		16.72	180	For more than 12 projected FTE providers.
Soiled Utility (GP)	USCL1	8.36	90	For up to 6 projected FTE providers.
		11.15	120	For 7-12 projected FTE providers.
		13.94	150	For more than 12 projected FTE providers.
Litter/Wheelchair Storage	SRLW1	5.57	60	One per clinic.
Crash Cart Alcove	RCA01	1.86	20	One per clinic. Can be shared between several clinics if fully accessible to all.
Equipment Storage	SRE01	9.29	100	One per clinic.
Splint and Crutch Storage	SRCS1	9.29	100	Minimum. Add 20 nsf per projected orthopedic surgeon greater than five.
Digital X-Ray Viewing Room	XVC01	11.15	120	One per two X-ray Rad rooms.

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PHYSICAL MEDICINE AND REHABILITATION SERVICES:

Clinic Waiting	WRC01	5.57	60	Provide three seats per provider for the maximum number of providers projected to be working in the clinic at one time, 16 nsf for 95% of the seats and 25 nsf for 5% of the seats (handicapped waiting). May be combined with other services in this section.
Provider Exam/EMG Testing (GP)	PTEM1	11.15	120	One per projected FTE provider.
Provider Office (GP)	OFD01	11.15	120	One per projected FTE provider.

CHIROPRACTOR SERVICES:

PATIENT AREAS (Chiropractor Services)

Clinic Reception (GP)	RECP1	11.15	120	Normally shared with Orthopedics / Podiatry.
Patient Toilets	TLTU1	4.65	50	One if projected FTE providers are between three and eight. Provide two toilets if projected FTE providers are between nine and fifteen. Provide three toilets if projected FTE providers are sixteen or more with a maximum of three toilets.
Back Treatment Room	PTBT1	11.15	120	Two per projected FTE provider.
Treatment Cubicle (GP)	PTTC1	7.43	80	Two to three per projected FTE therapist.
Massage Room	PTBT1	11.15	120	One per clinic if provided in the program.
Rehab Gym	PTEA1	18.58	200	One per four providers. May be shared with Sports Medicine.
Provider Office (GP)	OFD01	11.15	120	One per projected FTE provider.
Staff Lounge (GP)	SL001	13.0	140	Minimum. See Section 6.1 for increase in size.
Personal Property Lockers (GP)	LR001	1.86	20	For staff without a dedicated office/cubicle space. See Section 6.1 for increase in size or for Changing Locker Room criteria.
Staff Toilets	TLTU1	4.65	50	Minimum for total clinic staff of at least ten. See Section 6.1 for increase in size and for male/female breakdown .

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SPORTS MEDICINE:

PATIENT AREAS (Sports Medicine)

Clinic Reception/Control Counter (GP)	RECP1	11.15	120	Normally shared with Orthopedics / Podiatry.
EMG Cubicle (GP)	PTM1	11.15	120	One station per department. Requires portable EMG unit only.
Patient Toilet	TLTU1	4.65	50	One if project FTE providers are between three and eight. Provide two toilets if projected FTE providers are between nine and fifteen. Provide three toilets if projected FTE providers are sixteen or more with a maximum of three toilets.
Patient Shower (GP)	SHWR1	5.57	60	One per clinic.
Dressing Cubicle (GP)	DR001	4.65	50	One per clinic.

STAFF AND ADMINITSTRATIVE AREAS (Sports Medicine)

Provider Office (GP)	OFD01	11.15	120	One per projected FTE provider.
	OFD02			
	OFD03			
Work Area/Computer Terminal	OFA03	5.57	60	One station per clinic.
Ice Machine Alcove	ICE01	3.72	40	One station per clinic.
Staff Lounge (GP)	SL001	13.01	140	Minimum. See Section 6.1 for increase in size.
Personal Property Lockers (GP)	LR001	1.86	20	For staff without a dedicated office/cubicle space.. See Section 6.1 for increase in size or for Changing Locker Room criteria.
Staff Toilets	TLTU1	4.65	50	Minimum of one for total clinic staff of at least ten. See Section 6.1 for increase in number and for male/female breakdown.

TREATMENT AREAS (Sports Medicine)

Treatment Room (GP)	TRGM1	11.15	120	If in concept of operations.
Exam/Treatment Cubicle (GP)	PTTC1	7.43	80	Two exam/treatment cubicles per projected FTE provider. Requires room for modalities and carts.
Extremity Whirlpool	PTEW1	3.72	40	If in clinic concept of operations.
Performance Lab	PTIS1	23.23	250	If in clinic concept of operations.

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Functions that are required for Residency Program in Orthopedic Surgery.

The following areas must be programmed if the MTF provides an Orthopedic Surgery Residency Program.

Director of Orthopedic Surgery Residency (GP)	OFD01	11.15	120	Army - One per director of residency program.
	OFD02			Navy. See above
	OFD03			Air Force. See above
Secretary with Waiting	SEC01	11.15	120	One per projected FTE secretary.
Private Office	OFA01	11.15	120	One per projected FTE that requires a private office
	OFA02			
Administrative Cubicle	OFA03	5.57	60	Provide 60 nsf per projected FTE position.
Resident Cubicle	OFA03	5.57	60	Minimum. Per projected resident.
Library	LIBB1	5.57	60	One per residency program. May be combined with the Preceptor Room.
Conference Room (GP)	CRA01	23.23	250	Minimum, one per residency program. For increase in size, see Section 6.1.
Resident Exam Room (GP)	EXRG1	11.15	120	Army. Two per projected FTE providers. (Also note resident examination rooms.).
	EXRG2			Navy. (See above planning range comments.).
	EXRG3			Air Force. (See above planning range comments.).
Monitored Exam Room – Subject & Observer room (GP)	EXRG1	11.15	120	Army – Provide two exam rooms per residency program, and one CMP02. These rooms use cameras and videotapes.
	EXRG2			Navy – see above planning range comments.
	EXRG3			Air Force – see above planning range comments.
	CMP02	5.57	60	One room can support two exam rooms.
Preceptor/Consult Room (GP- Phase III)	OFDC1	11.15	120	One per eight staff physicians per clinic concept of operations.

Cast Room Table

Providers	Cast rooms
1	1 OPCR1 at 180
2	1 OPCR2 at 360nsf
3	1 OPCR2 at 360 nsf and 1 OPCR1 at 180nsf
4	2 OPCR2 at 360 nsf
5	1 OPCR2 at 480 nsf and 1 OPCR2 at 360 nsf
6	2 OPCR2 at 480 nsf
7	1 OPCR2 at 600 nsf and 1 OPCR2 at 480 nsf
8	2 OPCR2 at 600 nsf
9 or more	1 OPCR2 at 360 + ((# providers-2)*120nsf)